	Application No.	Applicant(s)	
Notice of Allowability	10/053,712	YAMAUCHI, TSUNENORI	
	Examiner	Art Unit	J
	Alexander G. Ghyka	2812	pr
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to and MPEP 1308.	olication. If not include will be mailed in due o	d course. THIS
1. This communication is responsive to <u>amendment of 8/09/2</u>	<u>004</u> .		
2. The allowed claim(s) is/are <u>1-21</u> .		ALEXANDER	GHYKA
3. \boxtimes The drawings filed on <u>16 September 2003</u> are accepted by	the Examiner.	PRIMARY EXAMINER	
4. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the req	uirements
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF
 CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the 	on's Patent Drawing Review (PTO- s Amendment / Comment or in the C 84(c)) should be written on the drawing the header according to 37 CFR 1.121(c	office action of ags in the front (not the	
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT 			ote the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit	5. ☐ Notice of Informal P 6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☐ Examiner's Amendn 8. ☑ Examiner's Stateme	(PTO-413), e nent/Comment	,
of Biological Material	9. ☐ Other	int of Neasons for Allov	vai iuc

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DETAILED ACTION

Allowable Subject Matter

Claims 1-21 are allowed.

The following is an examiner's statement of reasons for allowance: The closest prior art known to the Examiner is listed on the PTO 892 and IDS forms of the previous Office actions. None of the references or combinations thereof disclose or suggest a base layer formed in a base region on the covering a side surface of the outgoing base electrode, connected first semiconductor layer, to the outgoing base electrode at the side surface of the outgoing base electrode, and formed of silicon germanium containing carbon; and a second semiconductor layer formed on the base layer, wherein only the base layer is connected to the first semiconductor layer in the base region as required by the presently claimed invention. Moreover, the cited prior art does not disclose or suggest a base layer formed in a base region on the first semiconductor layer, connected to the outgoing base electrode, and formed of silicon germanium containing carbon; and a second semiconductor layer formed on the base layer, the outgoing base electrode and the base layer are formed continuous to each other, wherein only the base layer is connected to the first semiconductor layer in the base region as required by some of the present claims. Therefore, the present Claims are allowable over the cited prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Application/Control Number: 10/053,712 Page 3

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accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Alexander G. Ghyka whose telephone number is (571)

272-1669. The examiner can normally be reached on Monday through Thursday during

general business hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John F Niebling can be reached on (571) 272-1679. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

AGG

September 4, 2004

ALEXANDER GHYKA PRIMARY EXAMINER

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